

# Zefeng (Daniel) Wang

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## EDUCATION

**Northeastern University**, Boston, MA

May 2022

Khoury College of Computer Science

*Candidate for a BS in Computer Science and Business Administration, Concentration in Accounting*

**Overall / Major GPA:** 3.82 | 4.0

**Relevant Coursework:** Object Oriented Design, Fundamentals of Computer Science I and II, Discrete Structures, Linear Algebra, (In Progress) Algorithms and Data Structures, Database Design

**Honors and Awards:** Dean's List, International Scholar, Top 10/Best Rookie Award at Hack Beanpot

## SKILLS

- **Languages:** Java, JavaScript (NodeJS, React), SQL, HTML, CSS, Python, Racket
- **Tools:** MacOS, IntelliJ IDEA, Eclipse, Android Studio, Gradle, RESTful APIs
- **Miscellaneous:** Git, GitHub, Yarn, Babel, NPM, Sequelize, JSON, XML

## EXPERIENCE

**Sandbox at Northeastern**

September 2019 - Present

*Developer*

Boston, MA

- Maintaining and improving SearchNEU, a React/Node website that facilitates searching for classes at Northeastern
- Implementing changes to ensure that faculty data on the site is up to date for the 42K unique users
- Partnering with team lead to move stored data to a permanent, more secure database

**HackBeanpot Inc**

May 2019 – Present

*Core Team – Sponsorship*

Boston, MA

- Working in an agile environment to organize and run an annual hackathon for approximately 200 Boston students
- Designed a detailed sponsorship packet and reached out to dozens of companies for financial backing
- Leading a team of three in revamping the judging system for students' projects to be more holistic and efficient

**DoubleBridge Technologies**

July – August 2019

*Mobile App Development Intern*

Princeton, NJ

- Researched and presented the use of Android Studio for mobile development in Java
- Developed an application that allows users to perform CRUD operations on MySQL database using a PHP framework
- Created another Android app that makes API calls asynchronously using REST API and parses through JSON data

## PROJECTS

**SearchNEU** (NodeJS, Cheerio, PostgreSQL)

- Rewrote the web scraper classes that produce info from the college's site using Cheerio (implementation of JQuery)
- Moving data from temporary storage to a relational database in PostgreSQL by creating data models using Sequelize
- Refactoring the JavaScript backend and enforcing reliability using the Jest framework and snapshot testing

**CrimePot** (Python, Flask)

- Implemented Google Maps API with HTML/CSS/JavaScript to place markers representing crimes on a map of Boston based on values inputted by the user
- Used a RESTful API to make HTTP requests using the Flask microframework to retrieve data from the Boston government Crime Incidents Reports through a CKAN action API
- Filtered through the JSON data based on user parameters and then converted to GeoJSON in Python through Flask

**ExCELLence – The Easy Animator** (Java)

- Created a program that allows a user to input instructions and returns an animation either in textual form, as an SVG file, or as a visual representation using Java's Swing library
- Added functionality that gives the user the ability to scroll through the animation, pause/play, loop, etc
- Organized the project using the MVC structure to ensure loose coupling and focus on object-oriented principles

**Interests:** Hockey, music performance, competitive programming, eSports, poker